Quick Installation Guide

Philips LED T8 Tube Specifier Series

Please take the time to read this quick installation guide. The guide contains important information and notes regarding the installation and operation of Philips LED T8 Tube Specifier Series.

Instructions

• Philips LED T8 Tube Specifier Series are suitable to replace either T8 fluorescent lamps in fixtures containing standard non-shunted G13 (medium bi-pin) sockets.

Product Specifications

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Product Number</th>
<th>LED tube Dimension Length (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10T8/END/24-3500K UNV</td>
<td>42182-6</td>
<td>24&quot;</td>
</tr>
<tr>
<td>10T8/END/24-4000K UNV</td>
<td>42183-4</td>
<td>24&quot;</td>
</tr>
<tr>
<td>19T8/END/48-3500K UNV</td>
<td>42186-7</td>
<td>48&quot;</td>
</tr>
<tr>
<td>19T8/END/48-4000K UNV</td>
<td>42187-5</td>
<td>48&quot;</td>
</tr>
</tbody>
</table>

During retrofit, rewiring is a MUST, please follow the installation steps on the back page.
**Retrofit Instructions**

1. Remove diffuser (if applicable) and fluorescent lamp.
2. Open/Remove Wiring Compartment Cover.
3. Cut off all wires which connected to ballast.
4. Connect one wire from each lampholder together.
5. Connect one wire from the lampholder to branch circuit L (Live wire) and the other wire at the opposite end to the Branch Circuit N (Neutral wire).
6. Close up wiring compartment.
7. Install LED T8 tube.
8. Switch on power.
9. Repeat steps 3 to 5 for each additional bulb/ballast based on illustration below.

**Luminaire Description**

- Philips LED T8 tubes are suitable to be installed in T8 or T12 standard luminaires.
- Philips LED T8 tubes can’t retrofit original luminaires which use remote Starter.
- Ensure all parts and accessories are in the package, included instruction, filed-applied label and tubular LED lamp, the additional wire connector and No. 18 AWG wiring maybe provided.
- Philips LED T8 tubes are intended to retrofit maximum four lamps, UL Listed surface mount, or type IC or non-IC recessed mount fluorescent luminaires with diffuser that use straight tubular lamps. These products intended to be used in dry or damp locations only.
- Please make sure the existing luminaire dimension is larger than dimension described in below table.

<table>
<thead>
<tr>
<th>Philips LED T8 tube intended to retrofit Max. Number tubes in original luminaire</th>
<th>Luminaire Dimension with Max. No. of tubes Length X Width X Height (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. 4pcs LED tubes(9G13T8_GA) can be operated in a luminaire with or without diffuser</td>
<td>120 x 60 x 8</td>
</tr>
<tr>
<td>Max. 4pcs LED tubes(10G13T8_GA) can be operated in a luminaire with or without diffuser</td>
<td>60 x 60 x 8</td>
</tr>
</tbody>
</table>

**Sockets**

Rapid Start Socket

**VS.**

Instant Start Sockets

Non-Shunted

Shunted
WARNINGS, CAUTIONS AND OPERATING INSTRUCTIONS

WARNING: "THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED."

1. Risk of fire or electric shock. The electrical rating of these products are 100~277V; the installer must determine whether they have 100~277V at the luminaire before installation.

2. Risk of fire or electric shock. Luminaires wiring, ballasts, or other electrical parts may be damaged when installing reflector kit hardware. Check for enclosed wiring and components.

3. Risk of fire or electric shock. Reflector kit installation requires knowledge of fluorescent lighting luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

4. Risk of fire or electric shock. Install this kit only in the luminaires that has the construction features and dimensions shown in the photographs and/or drawings.

5. To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

6. Do not make new holes or enlarge existing ones in your fixture when installing the kit.

DANGER-RISK OF SHOCK-DISCONNECT POWER BEFORE INSTALLATION.

WARNING - Risk of fire or electric shock. Install this kit only in the luminaires that have the construction features and dimensions shown in the photographs and/or drawings.

WARNING: To avoid potential fire or shock hazard, do not use this retrofit kit in luminaires employing shunted bi-pin lampholders. Note: Shunted lamp holders are found only in fluorescent luminaires with Instant-Start ballasts. Instant-start ballasts can be identified by the words "Instant Start" or "I.S." marked on the ballast. This designation may be in the form of a statement pertaining to the ballast itself, or may be combined with the marking for the lamps with which the ballast is intended to be used, for example F40T12/I.S. For more information, contact the LED luminaire retrofit kit manufacturer.

Installers should not disconnect existing wires from lampholder terminals to make new connections at lampholder terminals. Instead installers should cut existing lampholder leads away from the lampholder and make new electrical connections to lampholder lead wires by employing applicable connectors.

SUITABLE FOR DRY OR DAMP LOCATIONS.
DO NOT USE WITH DIMMERS
THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXITS.
Lamps must be operated within an ambient fixture temperature of -22F (-30c) and 113F (45c) to ensure UL compliance.